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(FILE 'HOME' ENTERED AT 10:46:04 ON 15 DEC 2001)

FILE 'REGISTRY' ENTERED AT 10:47:08 ON 15 DEC 2001
L1 21 (TA<.3 AND 99<NB)/MAC

FILE 'HCAPLUS' ENTERED AT 10:47:44 ON 15 DEC 2001
L2 61 L1
L3 39809 (NIOBIUM OR NB) AND (TA OR TANTALUM)
L4 57 L2 AND L3

AN 1972:439935 HCAPLUS
DN 77:39935
TI Electron beam float zone growth of **niobium-tantalum**
alloy crystals
AU Rubin, J. J.; Malm, D. L.; Bachmann, K. J.
CS Bell Lab., Murray Hill, N. J., USA
SO Mater. Res. Bull. (1972), 7(6), 597-602
CODEN: MRBUAC
DT Journal
LA English
AB The growth of seeded crystals of **Nb**(1-x)Ta of compn. $0 < x < 0.25$
by electron-beam float zoning is described. The purity of these crystals
is characterized on the basis of spark source mass-spectrometric anal.

AN 1980:456662 HCAPLUS
DN 93:56662
TI Ellipsometric study of the effect of components of **tantalum-niobium** alloys on some properties of anodic oxides
AU Velikodnyi, L. N.; Shepelin, V. A.; Kasatkin, E. V.; Zhikharev, Yu. V.; Pavlushina, G. M.
CS Nauchno-Issled. Fiz.-Khim. Inst. im. Karpova, Moscow, USSR
SO Elektrokimiya (1980), 16(5), 727-30
CODEN: ELKKAX; ISSN: 0424-8570
DT Journal
LA Russian
AB Ellipsometric measurements were made, allowing one to study both the thin submonolayer coatings as well as the phase films on anodes of **Ta** (0-100)-~~Nb~~ (0-100 wt.%) alloys. Results were obtained at wavelength 605 nm. Anodic formation of the oxides was accomplished galvanostatically at $i = 0.5 \text{ mA/cm}^2$ in 0.01% H_3PO_4 at 25.degree..